

SEQUENCE LISTING

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<110> Tanox, Inc.
 <120> HUMAN MAST CELL-EXPRESSED MEMBRANE PROTEINS
 <130> TNX0201
 <150> USP 60/345,909
 <151> 2002-01-03
 <160> 12
 <170> PatentIn version 3.1
 <210> 1
 <211> 1750
 <212> DNA
 <213> Human Mast Cell
 <220>
 <221> CDS
 <222> (455)..(1018)
 <223> Coding Sequence, including stop codon
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 ttctcttttg aaatggagag gaggtaggag ggtgagggtcc atccaggtag acacagacac 180
 acacagagac cacagcttcc tgtaacattt ccgagtgtcg aattccatct cccgggtctag 240
 aggtttttct tcttggtcct tcttgagacc tcttggtccc caagagcctc ttgatcgggg 300
 caggaatgag ggtgccccag ggtgagagag tcgtggatcc ctgaaaagag gaggtgtctc 360
 cccctctttc ttccccccac ctccagattt cctcatctgc ccacacctc cgggtggcgg 420
 ggacgtgtat ggacaaattt gcgggctggg gacc atg gaa gtg gag gaa atc tac 475
 Met Glu Val Glu Glu Ile Tyr
 1 5
 aag cac cag gaa gtc aag atg caa gca cca gcc ttc agg gac aag aaa 523
 Lys His Gln Glu Val Lys Met Gln Ala Pro Ala Phe Arg Asp Lys Lys
 10 15 20
 cag ggg gtc tca gcc aag aat caa ggt gcc cat gac cca gac tat gag 571
 Gln Gly Val Ser Ala Lys Asn Gln Gly Ala His Asp Pro Asp Tyr Glu
 25 30 35
 aat atc acc ttg gcc ttc aaa aat cag gac cat gca aag ggt ggt cat 619
 Asn Ile Thr Leu Ala Phe Lys Asn Gln Asp His Ala Lys Gly Gly His
 40 45 50 55
 tca cga ccc acg agc caa gtc cca gcc cag tgc agg ccg ccc tca gac 667
 Ser Arg Pro Thr Ser Gln Val Pro Ala Gln Cys Arg Pro Pro Ser Asp

| 60 | 65 | 70 | |
|--|-----|-----|------|
| tcc acc cag gtc ccc tgc tgg ttg tac aga gcc atc ctg agc ctg tac | | | 715 |
| Ser Thr Gln Val Pro Cys Trp Leu Tyr Arg Ala Ile Leu Ser Leu Tyr | | | |
| 75 | 80 | 85 | |
| atc ctc ctg gcc ctg gcc ttt gtc ctc tgc atc atc ctg tca gcc ttc | | | 763 |
| Ile Leu Leu Ala Leu Ala Phe Val Leu Cys Ile Ile Leu Ser Ala Phe | | | |
| 90 | 95 | 100 | |
| atc atg gtg aag aat gct gag atg tcc aag gag ctg ctg ggc ttt aaa | | | 811 |
| Ile Met Val Lys Asn Ala Glu Met Ser Lys Glu Leu Leu Gly Phe Lys | | | |
| 105 | 110 | 115 | |
| agg gag ctt tgg aat gtc tca aac tcc gta caa gca tgc gaa gag aga | | | 859 |
| Arg Glu Leu Trp Asn Val Ser Asn Ser Val Gln Ala Cys Glu Glu Arg | | | |
| 120 | 125 | 130 | 135 |
| cag aag aga ggc tgg gat tcc gtt cag cag agc atc acc atg gtc agg | | | 907 |
| Gln Lys Arg Gly Trp Asp Ser Val Gln Gln Ser Ile Thr Met Val Arg | | | |
| 140 | 145 | 150 | |
| agc aag att gat aga tta gag acg aca tta gca ggc ata aaa aac gtt | | | 955 |
| Ser Lys Ile Asp Arg Leu Glu Thr Thr Leu Ala Gly Ile Lys Asn Val | | | |
| 155 | 160 | 165 | |
| gac aca aag gta cag aaa atc ttg gag gtg ctg cag aaa atg cca cag | | | 1003 |
| Asp Thr Lys Val Gln Lys Ile Leu Glu Val Leu Gln Lys Met Pro Gln | | | |
| 170 | 175 | 180 | |
| tcc tca cct caa taa atgagaggac attgtggcag ccaaagccac aacttggaag | | | 1058 |
| Ser Ser Pro Gln | | | |
| 185 | | | |
| atggggctgc acctgccaac gaagacggga aatgaccccc cccccagcct agtgtgaacc | | | 1118 |
| tgccccctcgt ccacgtata gaaaaacctc gagtcatggg gaatgagtgt ctcgaggttg | | | 1178 |
| ctcgtgtgtg tgtacacctg cgtgcgtgtg tgtgcgtgtg tgcgcgtgtg ttcgtgtgtg | | | 1238 |
| tgcgtgtgtg cgtgcgcgtg tgtgtgcatt ttgcaaaggg tggacatttc agtgtatctc | | | 1298 |
| ccagaaagggt gatgaatgaa taggactgag agtcacagtg aatgtggcat gcatgcctgt | | | 1358 |
| gtcatgtgac atatgtgagt ctcgcatgt cacgggtgggt ggctgtgtct gagcacctcc | | | 1418 |
| agcagatgtc actctgagtg tgggtgttgg tgacatgcat tgcacgggcc tgtctccctg | | | 1478 |
| tttgtgtaaa catactagag tatactgcgg cgtgttttct gtctacccat gtcatgggtg | | | 1538 |
| gggagattta tctccgtaca tgtgggtgtc gccatgtgtg ccctgtcact atctgtggct | | | 1598 |
| gggtgaacgg ctgtgtcatt atgagtgtgc cgagttatgc caccctgtgt gctcagggca | | | 1658 |
| catgcacaca gacatttata tctgcactca cttttgtga cttatgaaga taaataaagt | | | 1718 |
| caagggaataa aaaaaaaaaa aaaaaaaaaa aa | | | 1750 |

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<211> 187

<212> PRT

<213> Human Mast Cell

<400> 2

Met Glu Val Glu Glu Ile Tyr Lys His Gln Glu Val Lys Met Gln Ala
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 Pro Ala Phe Arg Asp Lys Lys Gln Gly Val Ser Ala Lys Asn Gln Gly
 20 25 30
 Ala His Asp Pro Asp Tyr Glu Asn Ile Thr Leu Ala Phe Lys Asn Gln
 35 40 45
 Asp His Ala Lys Gly Gly His Ser Arg Pro Thr Ser Gln Val Pro Ala
 50 55 60
 Gln Cys Arg Pro Pro Ser Asp Ser Thr Gln Val Pro Cys Trp Leu Tyr
 65 70 75 80
 Arg Ala Ile Leu Ser Leu Tyr Ile Leu Leu Ala Leu Ala Phe Val Leu
 85 90 95
 Cys Ile Ile Leu Ser Ala Phe Ile Met Val Lys Asn Ala Glu Met Ser
 100 105 110
 Lys Glu Leu Leu Gly Phe Lys Arg Glu Leu Trp Asn Val Ser Asn Ser
 115 120 125
 Val Gln Ala Cys Glu Glu Arg Gln Lys Arg Gly Trp Asp Ser Val Gln
 130 135 140
 Gln Ser Ile Thr Met Val Arg Ser Lys Ile Asp Arg Leu Glu Thr Thr
 145 150 155 160
 Leu Ala Gly Ile Lys Asn Val Asp Thr Lys Val Gln Lys Ile Leu Glu
 165 170 175
 Val Leu Gln Lys Met Pro Gln Ser Ser Pro Gln
 180 185

<210> 3

<211> 19

<212> DNA

<213> Human

<400> 3

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19

<210> 4

<211> 23

<212> DNA

<213> Human

<400> 4

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23

<210> 5
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<400> 5
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gcaggtgcag ccccatctt 19

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<211> 23
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ttgaggtgag gactgtggca ttt 23

<210> 9
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<212> DNA
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<400> 9
aaggtgatga atgaatagga ctga 24

<210> 10
<211> 21
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ccaccgtgac atgccgagac t 21

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<213> Human

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caccatggac tacaaagacg atgacgacaa ggaagtggag gaaatctaca agc 53

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<212> DNA

<213> Human

<400> 12

ttgaggtgag gactgtggca ttt 23